

Campus Update

2015 Reunion Leadership Summit

May 8, 2015



G. P. “Bud” Peterson
President



President Obama visits Tech



Georgia Tech at Summit of the Americas

- Leader in first University Presidents Summit
- Presentation by Ralph de la Vega, CEO, AT&T Mobility
- Rafael Bras at CEO Summit of the Americas



EVENT ORGANIZERS



Fall 2015 Freshman Class

Focused on bringing in Tech's best class in Institute history

- Over 40% women for first time
- 49 states (no Montana!)
- 64 countries
- Increased GA enrollment by 5%
- 1450 SAT (2140 with writing)
- 31.5 ACT
- 9+ AP/IB/college courses
- 27,250 applications, 32% admit rate — both records



Environment for Success



Over the past 5 years,
we increased first-year
retention rate from
93% to 96%

Increased graduation rates:
Four-year – 31% to 40%
Five-year – 72% to 75%
Six-year – 79% to 82%



In the past seven years,
Georgia Tech has awarded
more than 35,000 degrees

Student Engagement

400 student organizations

Outdoor Recreation
Georgia Tech engaged more than **5,000 students**

Grand Challenges
Living Learning Communities

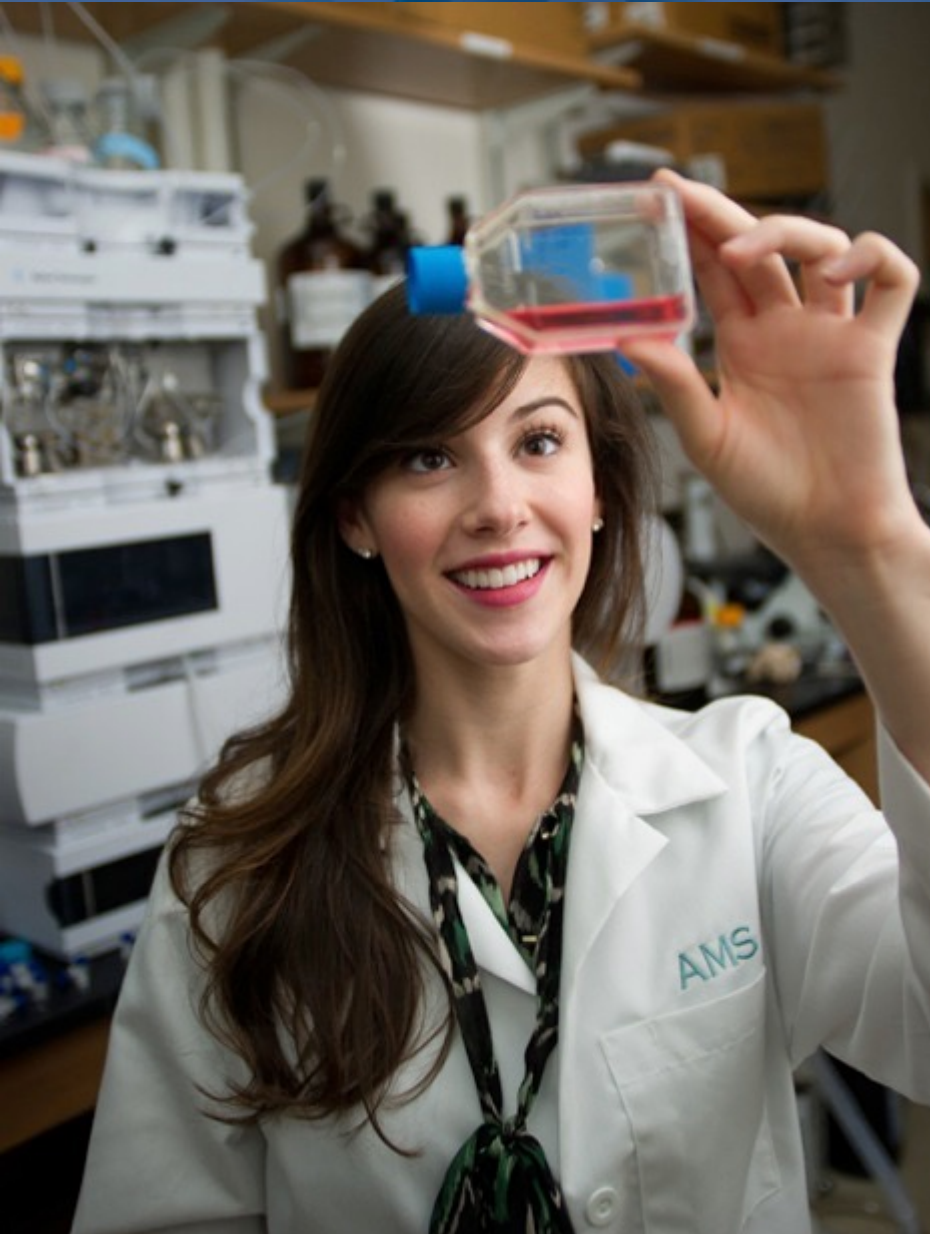
Leading Edge



17 Teams Excelling both Academically and Athletically



Innovative Learning Approaches



Collaborative

Interdisciplinary

Online Courses and
Programs (OMS-CS)

“Flipped” Classrooms

Emphasis on
Undergraduate Research

Service Learning

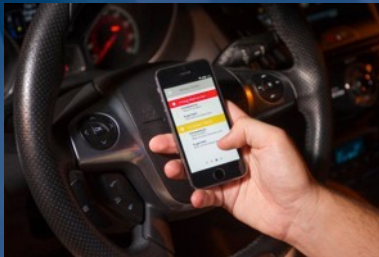
Global Challenges

InVenture Prize Finals April 1

- 1st Place FlameTech Grill Defender
- 2nd OculoStaple
- People's Choice – Haplit
- InVenture Challenge @Georgia High Schools
- CREATE-X introduced to build entrepreneurial confidence



Institute-wide Effort to Foster Entrepreneurship – the FIXD Story



- **Began working on it through Startup Lab**
- **Completed Startup Summer, 12-week startup internship**
- **Seed funding through Kickstarter**
- **Won Cisco's "Internet of Everything" Challenge for 2015**
- **Launching full product release in May**

Student Innovation Programs

Capstone Design

Convergence Challenge

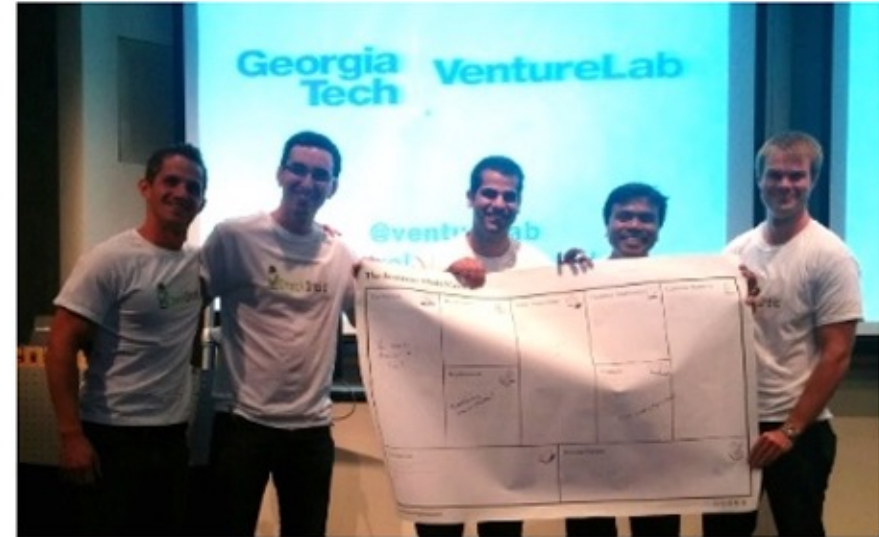
Invention Studio

Master of **Biomedical
Innovation and
Development**

Scheller College of Business
Startup Competition

Startup Summer

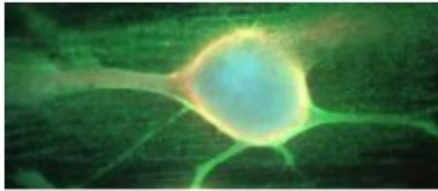
CheckDroid



Light Edge



12 Core Research Areas



Bioengineering and
Bioscience



Data Engineering and
Science



Electronics and
Nanotechnology



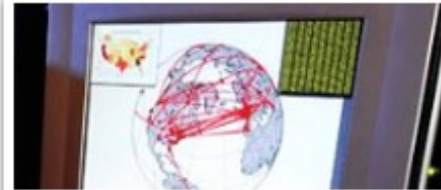
Energy and
Sustainable
Infrastructure



Manufacturing,
Trade, and Logistics



Materials



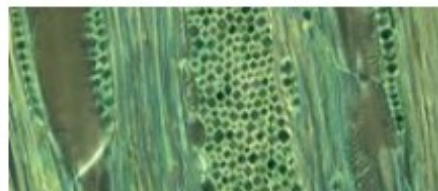
National Security



People and
Technology



Public Service,
Leadership, and
Policy



Renewable
Bionproducts



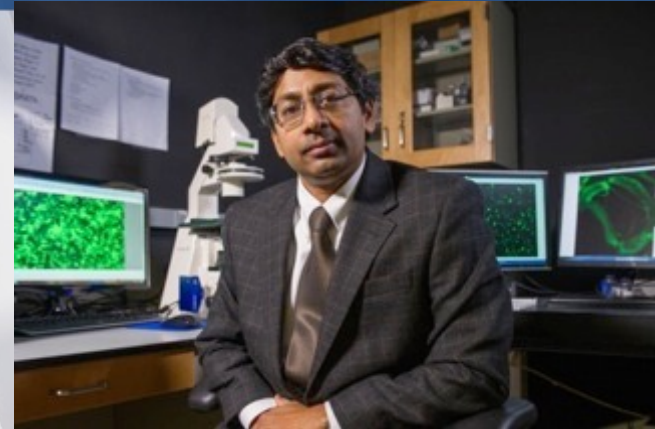
Robotics



Systems

Recent Research in the News

- **Ravi Bellamkonda – fighting brain cancer by guiding tumors using aligned polymeric nanofibers**
- **Levent Degertekin – device to provide real-time 3-D images from inside the heart and blood vessels**
- **GT STRUDL engineering software acquired by Intergraph**
 - Developed at Tech in the 1970s
 - Used by structural engineers in more than 40 countries



Engineered Biosystems Building

Taking possession this month

Made possible through
partnerships

Naming opportunity remains



Eco-Commons....Retention and Reclamation



EBB Sector Master Plan



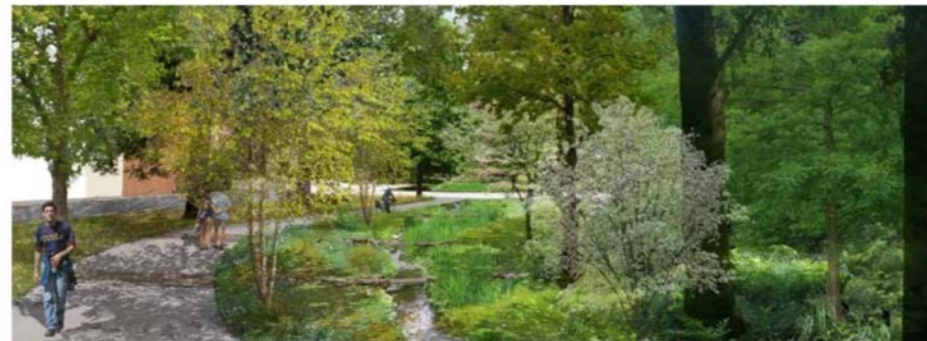
Proposed view across Eco-Commons Pond to EBB Phase I



Proposed view across Eco-Commons Lawn



Atlantic Promenade - proposed view looking south



Proposed Eco-Commons path south of the Baker Building

Serve . Learn . Sustain



The SACSCOC QEP — Quality Enhancement Plan

- **Combining sustainability, experiential learning, and community engagement**
- **QEP 10 years ago – undergraduate research and study abroad**
- **www.serve-learn-sustain.gatech.edu**



Tech Square “Then” and Today



Momentum in Tech Square



Panasonic
May 2012

ThyssenKrupp
Jan. 2013

Penguin
Computers
January 2013

AT&T Mobility
August 2013

Home Depot
Summer 2014

Coca-Cola
Enterprises
December 2014



Southern Company
Summer 2015

WorldPay
Headquarters
January 2016

NCR
headquarters
January 2017

Nurturing Startups



EI² assisted startups based on Georgia Tech research innovations, resulting in **513 jobs and nearly \$100M in investment**



ATDC program companies reported revenues of more than **\$1.3B and more than 5,500 jobs**

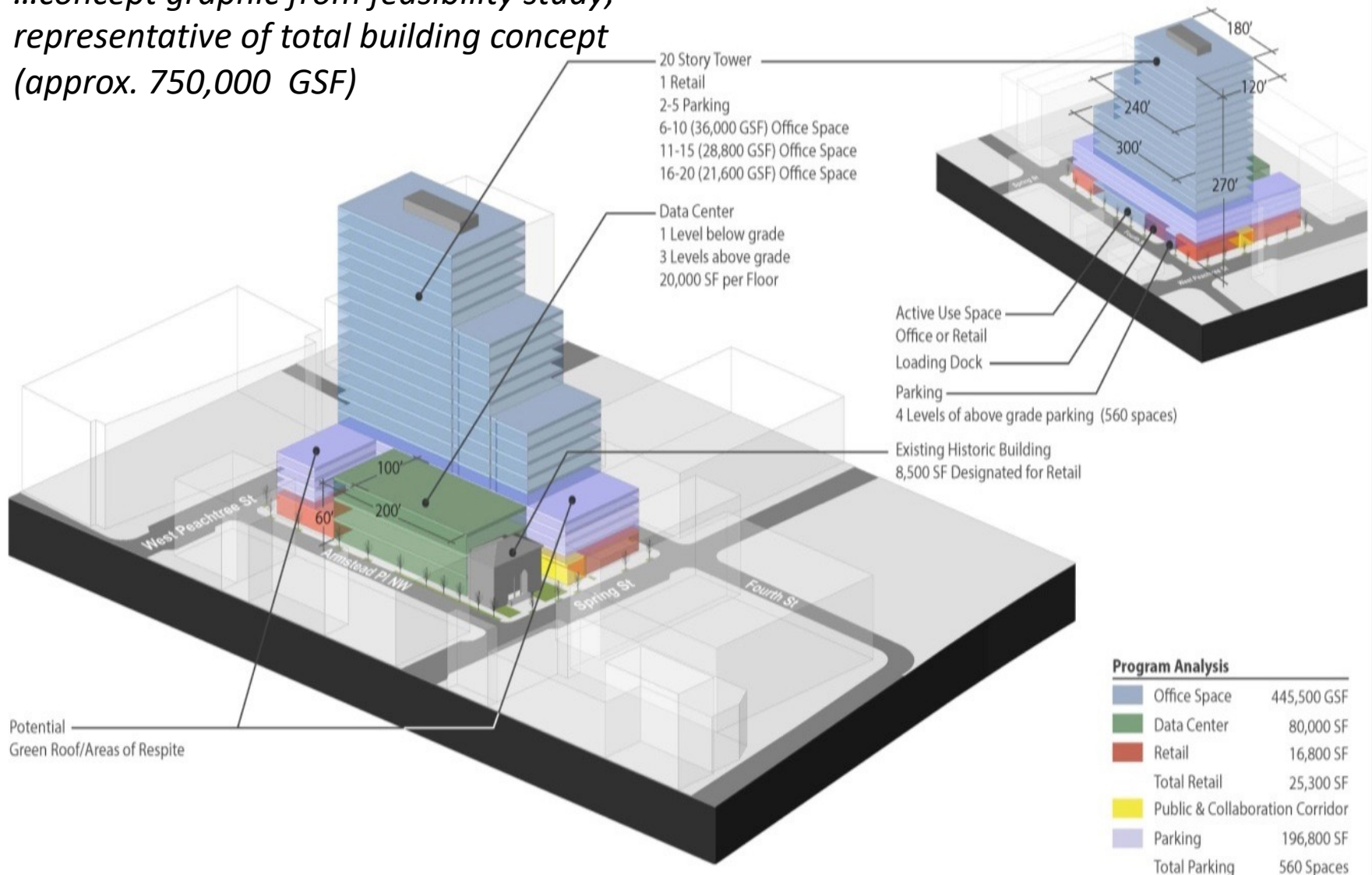


GT:IPS



High Performance Computing Center

*...concept graphic from feasibility study;
representative of total building concept
(approx. 750,000 GSF)*



Campuswide Wellness Initiative

Aligning opportunities for mental, physical and emotional well being

- Alcohol and drug education
- Sexual violence prevention
- Stamps, Health promotion, Campus Recreation Center



Campaign Georgia Tech: Continuing the Momentum

\$1.5B goal met a year early in the largest campaign in the Institute's history

- 60,000 donors
- Buildings renovated and constructed
- Colleges and Schools named
- 91 of 100 endowed chairs and professorships
- Exceeded goal of \$50M Tech Promise endowment through individual and corporate gifts

The vision and drive continue

- Colleges and schools to reach their individual goals
- Named deans chairs
- EBB

G. Wayne Clough Georgia Tech Promise

25 Tech Promise students
Graduated May 2

Amelia Joyner

- Mechanical Engineering
- Co-op at Norfolk Southern
- Hired by Norfolk Southern as management trainee to become mechanical supervisor
- Graduated debt free





Jerusalem



Washington D.C.

Albert Einstein Sculpture by sculptor Robert Berks

Proposed Site at Georgia Tech



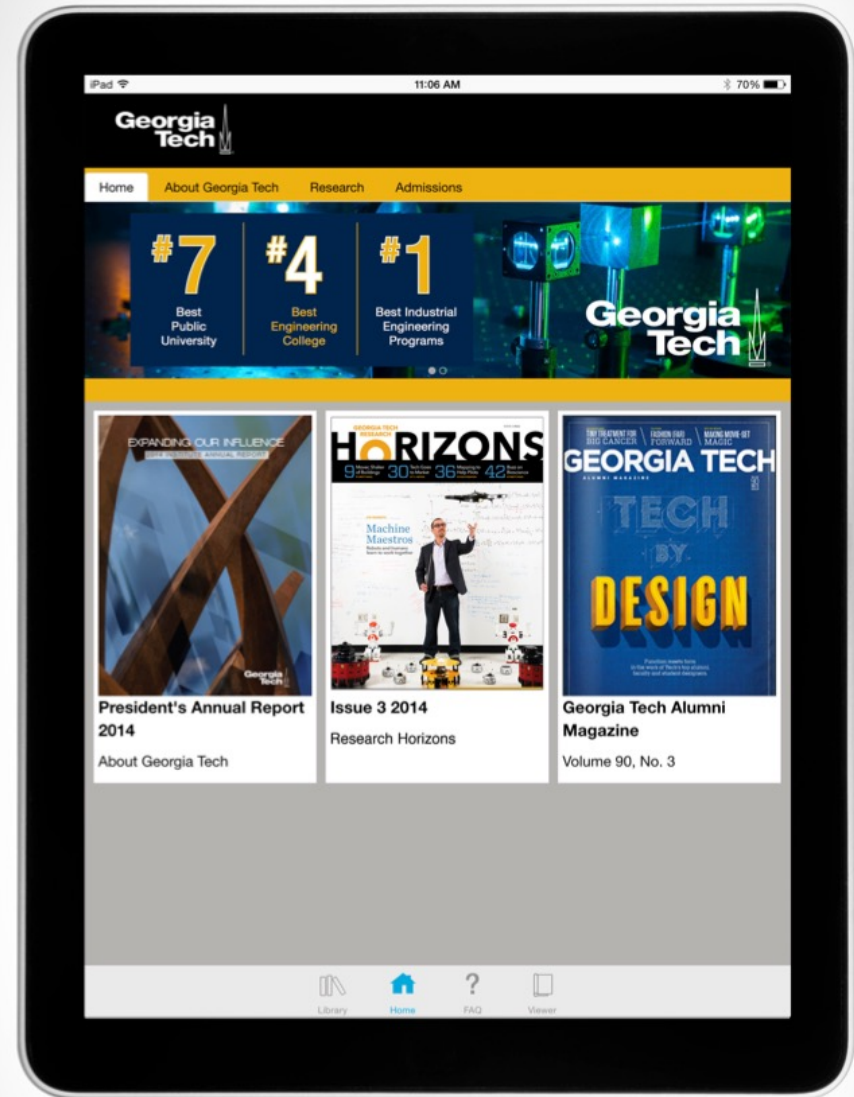
Georgia Tech App available for iPad users

Go to the Apple Store on your iPad

Type in: Georgia Institute of Technology

Download the Georgia Tech App

- Research Horizons
- Alumni Magazine
- 2014 Annual Report
- President's Update
- Strategic Plan



New Monthly eNewsletter

Update from Georgia Tech President G.P. "Bud" Peterson **March**
2015

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A capacity crowd of nearly 10,000 filled McCamish Pavilion on March 10 for a presidential visit.

Dear Georgia Tech Friends and Supporters,

Georgia Tech has had the privilege of welcoming our nation's leader to speak on our campus for more than a century, and [the tradition continued on March 10](#) as we welcomed President Barack Obama. When the White House approached us to possibly host President Obama for a speech on higher education, we were honored. [A White House spokeswoman said](#) Georgia Tech was chosen because of its high job-placement rates, debt-free enrollment for certain qualified students (G. Wayne Clough Georgia Tech Promise program), and an online Master of Science in Computer Science (OMSCS). Coordinating a gathering of this magnitude on relatively short notice was a huge undertaking, but well worth it. Our staff, faculty, and students pitched in to do whatever it took to make the event a success. Our sincere [thanks go](#)

Update from Georgia Tech President G.P. "Bud" Peterson **April**
2015

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Will Sweet and Scott Schroer (L-R) represented first-place winner FlameTech Grill Defender in the recent InVenture Prize finals, which were broadcast by Georgia Public Broadcasting (GPB).

Dear Georgia Tech Friends and Supporters,

At Georgia Tech, we strive in ways large and small to enhance the innovation culture that has existed since the Institute was founded. One of the most public ways we do this is through our [InVenture Prize](#), the nation's largest undergraduate invention competition. The contest has affectionately been called "American Idol for Geeks," but no one will think of them as geeks when they launch their businesses. InVenture's finals were carried live April 1 on Georgia Public Broadcasting, so a broader audience got to see some of the creativity that is part of everyday life at Georgia Tech. From more than 500 entrants, the FlameTech Grill Defender team emerged the winner for its life-safety device for gas grills that alerts users when gas levels have reached an unsafe threshold.

We also run a K-12 school version of the InVenture Prize known as the InVenture Challenge @ Georgia

To subscribe go to www.president.gatech.edu

Your Turn – Questions & Discussion

